

FIG. 1A

1 atgtctgggg tctctgccc ctggtgctgc tgtctcccac tcggtcatcc tgagaacaca
61 gcctgagcgr ctctgtcact cggggtagac cagcgggga ggcgagcaag atggcgacaga
121 cgcagggcac cggaggaaa gtctgttact actacgacgg gcatgttgga aattactatt
181 atggacaagg ccacccaatg aagcctcacc gaatccgcat gactcataat ttgctgctca
241 actatggtct ctaccgaaa atggaaatct atcgccctca caaagccaat gctgaggaga
301 tgaccaagta ccacagcgat gactacatta aattcttgcg ctccatccgt ccagataaca
361 tgtcggagta cagcaagcag atgcagagat tcaacgttgg tgaggactgt ccagtattcg
421 atggcctgtt tgagttctgt cagttgtcta ctggtggttc tgtggcaagt gctgtgaaac
481 ttaataagca gcagacggac atcgccgtga atgggctgg gggcctgcac catgcaaaga
541 agtccgagc atctggcttc tgttacgtca atgatatcgt cttggccatc ctggaactgc
601 taaagtatca ccagagggtg ctgtacattg acattgatat tcaccatggt gacggcgtgg
661 aagaggcctt ctacaccag gaccgggtca tgactgtgtc cttcataag tatggagagt
721 acttcccagg aactggggac ctacgggata ccggggcttg caaagacaag tattatgctg
781 ttaactaccc gctccgagac gggattgatg acgagtccta tgaggccatt ttcaagccgg
841 tcatgtccaa agtaatggag atgttccagc ctagtgcggt ggtcttacag tgtggctcag
901 actccctatc tggggatcgg tttaggttgc tcaatctatc tatcaaaagg cacgccaagt
961 gtgtggaatt tgtcaagagc tttaacctgc ctatgctgat gctgggaggc ggtggttaca
1021 ccatttcgtaa cgttgcccgg tgctggacat atgagacagc tgtggccctg gatacggaga
1081 tccctaataga gcttccatag aatgactact ttgaatactt tggaccagat ttcaagctcc
1141 acatcagtc tccaatatg actaaccaga acacgaatga gtacctggag aagatcaaac
1201 agcgactgtt tgagaacctt agaattgctgc cgcacgcacc tggggtccaa acgcaggcga
1261 ttcctgagga cgcctccct gaggagagtg gcgatgagga cgaagacgac cctgacaagc
1321 gcatctcgat ctgctcctct gacaaacgaa ttgcctgtga ggaagagttc tccgattctg
1381 aagaggaggg agaggggggc cgcaagaact ctccaactt caaaaaagcc aagagagtca
1441 aaacagagga tgaaaaagag aaagaccag aggaagaa aggatcacc gaagaggaga
1501 aaaccaagga ggagaagcca gaagccaaag gggtcaagga ggaggccaag ttggcctgaa
1561 tggacctctc cagctctggc ttcctgctga gtccctcacg ttcttctccc c (SEQ ID NO:2)

FIG. 1B

FIG. 2A

1 cgccgagctt tggcacctc tgccgggtgg taccgagcct tccggcgcc cctcctctc
61 ctcccaccg cctgccctc ccgcgggac tatcgcccc acgtttccct cagcccttt
121 ctctccggc cgagccgcg cgcgagcagc agcagcagca gcagcaggag gaggagccg
181 gtggcgcggtg tggcgggga gcccatggcg tacagtcaag gagcgggcaa aaaaaagtc
241 tgctactact acgacggtga tattggaat tattattatg gacaggggtca tcccatgaag
301 cctcatagaa tccgcatgac ccataacttg ctgttaaat atggcttaca cagaaaaatg
361 gaaatatata ggcccataa agccactgcc gaagaaatga caaaatatca cagtgatgag
421 tatataaat ttctacggtc aataagacca gataacatgt ctgagtatag taagcagatg
481 catataatta atgttgaga agattgtcca gcgtttgat gactcttga gttttgtcag
541 ctctcaactg gcggttcagt tgctggagct gtgaagttaa accgacaaca gactgatag
601 gctgttaatt gggctggagg attacatcat gctaagaaat acgaagcatc aggatcctgt
661 tacgttaatg atattgtgct tgccatcctt gaattactaa agtatcatca gagagtctta
721 tatatcgata tagatatcca tcatggtgat ggtgtcgaag aagcttttta tacaacagat
781 cgtgtaatga cggtatcat ccataaaatat ccatggtgat ggggaatact ttcttggcac aggagacttg
841 agggatatg gtgctggaaa aggcaaatat aggcctatta tctcaaaggt gatggagatg
901 atagacgatg agtcatatgg gcagatatatt gcagactact cattatctgg tgatagactg
961 tatcaacctg gtgctgtggt attacagtgt gctaaaatgt tagaagttgt aaaaactttt
1021 ggttgtttca atctaacagt caaagggtcat ggtacacaa tccgtaatgt tgctcgaatg
1081 aacttaccat tactgatgct tggaggaggt ggctacacaa ccaacgagtt gccatataat
1141 tggacatatg agactgcagt tgcccttgat tgtgagattc ctagtcctc aaacatgaca
1201 gattactttg agtattttg accagacttc aactgcata ttagtcttc gtttggtga aaatttgcgc
1261 aaccagaaca ctccagaata tacggaaaag ataaaaacag ataaacagc gtttggttga
1321 atgttacctc atgcacctgg tgtccagatg caagctattc cagaagatgc ttttcatgaa
1381 gacagtggag atgaagatgg agaagtcca gacaagagaa ttctattcg agcatcagac
1441 agcgggatag cttgtgatga agaatttcca gattctgagg atgaaggaga aggaggtcga
1501 agaatgtgg ctgatcataa gaaaggagca aagaaagcta gaattgaaga agataagaaa
1561 gaaacagagg acaaaaaaac agacgttaag gaaagagata aatccaagga caacagtgg
1621 gaaaaaacag ataccaaaag aaccaaatac gaacagctca gcaaccctg aatctgacag
1681 tctcaccaat ttcagaaaat cattaaaaag aaaatatga aaggaaaatg ttttctttt
1741 gaagacttct ggcttcattt tatactactt tggcatggac tgtatttatt ttcaaatggg
1801 actttttcgt ttttgtttt ctgggcaagt tttatttga gattttctaa ttatgaagca
1861 aaatttctt tctccaccat gctttatgtg atagtattta aaattgatgt gaggattat
1921 gtcaaaaaaa ctgatctatt aaagaagtaa ttggccttc tgagctgaaa aaaaaaaa
1981 aaaag (SEQ ID NO:4)

FIG. 2B

MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKK

MIVFKPYQASQHDMCRFHSEDIYIDFLQRVSPTNMQGFTKSLNAPNVGDDCPVFPGLFE

FCSRYTGASLQGATQLNNKICDIANWAGGLHHAKKFEASGFCYVNDIVIGILELLKY

HPRVLYIDIDIHHGDGVQEA FYLTDRVMTVSFHKYGN YFFPGTGDMYEVGAESGRYYC

LNVP LRGIDDDQSYKHLFQPVINQVVD FYQPTCIVLQCGADSLGCDRLGCFNLSIRGH

CECVEYVKSFNIPPLLVLGGGYTVRNVARCWTYETSLLVEEAISEELPYSEYFEYFAP

DFTLHPDVSTRIENQSRQYLDQIRQTFIFENLKMNLNHPASVQIHDVPADLLTYDRTDE

ADAEERGPEENYSRPEAPNEFYDGDHDNDKESDVEI (SEQ ID NO:5)

FIG. 3A

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FIG. 3B

1 ggaattcgcg gccgcggcgg gcgcgggagg tgcggggcct gctccgcgcg gcaccatggc
61 caagaccgtg gcctatttct acgaccccgga cgtggggcaac ttccactacg gagctggaca
121 ccctatgaag ccccatcgcc atcgtcctca tggcattgac ccatagcctg gtccctgcatt acggtctcta
181 taagaagatg taccattgact tccctgcagag agccatacca agcctcccaa catgacatgt gccgcttcca
241 ctccgaggac taccattgact tccctgcagag agccatacca agcctcccaa accaatatgc aaggcttcac
301 caagagtctt aatgccttca acgtaggcga acgtatctct gcaaggagca accagctga acaacaagat
361 gtctgtgctg cgttacacag ggcctggctgg tctgcacccat gcaagaagt ttagggcctc
421 ctgtgatatt gccattaaact ggcctggctgg tggcatcctg tgactgcca gtgtttcccg
481 tggcttctgc tatgtcaacg acattgtgat ttgacatcca ccataaatc ggggttcaag agctttcta
541 tcgggtgctc tacattgaca cgggtgtcctt ccacaatac gactgcccgc tactactgtc tgaacgtgcc
601 cctcactgac cgggtcatga tccggggcaga accagagtta caagcacctt ttccagccgg ttatcaacca
661 cacaggtgac atgtatgaag accagagtta caagcacctt ttccagccgg actctctggg
721 cctgcgggat ggcattgatg ccacgtgcat tgtgctccag tgtggagctg actctctggg
781 ggtagtggac ttctaccaac ccacgtgcat tgtgctccag catccgaggg catggggaat gcgttgaata
841 ctgtgatcga ttgggctgct ttcaatatcc ctctactcgt gctgggtggt ggtggttata ctgtccgaaa
901 tgtcaagagc tgctggacat atgagacatc gctgctggca gtagaggcca tttagtgagga
961 tgttgcccgc agtgaatact tcgagtactt tggcccagac ttcacacttc gccagatgt
1021 gcttccctat atcgagaatc agaactcacg ccagtatctg cagattcatg acgtgcctgc
1081 cagcaccgcg ctgaagatgc tgaacctacg tgaacctacg ccagtatctg gccagacaat
1141 ctttgaaaac ctgaagatgc tgaacctacg tgaacctacg ccagtatctg gccagacaat
1201 agacctcctg acctacgaca ggcacgatga ggcacgatga ggcacgatga ggcacgatga
1261 gaaactatagc aggccagagg catccaatga ggcacgatga ggcacgatga ggcacgatga
1321 ggaagcgcgag gtggagattt aagagtggct tgggatgctg tgggatgctg tgggatgctg
1381 cactcttggg aaggcctgga ggaagagttt ggaagagttt ggaagagttt ggaagagttt
1441 ggggcttttg ctgactctgg gaaagagttt ggaagagttt ggaagagttt ggaagagttt
1501 cctgcttttc ctctctctcc caaggactga caatggtacc tattagggat gagatacaga
1561 caaggatagc tatctgggac attattggca gtgggcccctg gaggcagtcc ctagccccc
1621 ttgcccctta ttcttccct gcttccctcg aaccagaga tttttgaggg atgaacgggt
1681 agacaaggac tgagattgac tctgacttcc tctgacttcc tctgacttcc tctgacttcc
1741 ccttgcttcc agggaaagatg aagagagaga gatttggag ggttctgacc ttcttctcc
1801 ctgaatccca gatgatggga agtatgtttt caagtgtggg gaggatatga aaatgttctg
1861 ctctcacttt tggctttatg tccattttac cactgtttt atccaataa ctaagtctgg
1921 attttttgta cctttgatgg tttagcggcc gcgc (SEQ ID NO:6)

FIG. 3B

SECRET

APPROVED	FIG.
LV	SUBCLASS
DRAFTS	

MLAMKHQQELLEHQKLERHRQEQELEKQHREQKLQQLKNKEKG
KESAVASTEVMKLOEFVLNKKKALAHPNLNHCISCPRYWYGKTOHSSLDQSSPPQS
GVSTSYNHPVLGMYDAKDDFPLRKTASEP NLKLSRLKQKVAERRSSPLLRRKDDGPVV
TALKKRPLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLVA
REGSAAPLPLYTSPSLPNITLGLPATGPSAGTAGQDTERLTLPALQQRLSLFPGTHL
TPYLSSTPLERDGGAAHSP LLQHMV LLEQPPAQAPLVTGLGALPLHAQSLVGADRVSP
SIHKLRQHRPLGRTQSAPLPQNAQALQHLVIOQQHQQFLEKHKQQFQQQLQMNKIIP
KPSEPARQPESHPEETEELREHQALLDEPYLDR LPGQKEAHAQAGVQVKQEP IESDE
EEAEPPREVEPGQRQPSEQEL LFRQQA LLEQRIHQLRNYQASMEAA GIPVSFGGHR
PLSRAQSSPASATFPVSQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSSSHP EHA GRIQ
SIWSRLQETGLRGKCECIRGRKATLEELQTVHSEAHTLLYG TNPLNRQKLD SKKLLGS
LASVFVRLPCGGVGVDSDTIWNEVHSAGAA RLAVGCVVELVFKVATGELKNGFAVVRP
PGHHAEESTPMGFCYFN SVAVAAKLLQQR LSVSKILIVDWDVHHGNGTQQA FYSDPSV
LYMSLHRYYDDGNFFPGSGAPDEVGTGPGVGFNVMMAFTGGLDPPMGDAEYLA AFRTVV
MPIASEFAPDVVLASSGFDAVEGHPTPLGGYNLSARCFGYLTKQLMGLAGGRIVL ALE
GGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPNANAVRSM EKVMEIHSKYWRCL
QRTTSTAGRSLIEAQTCENEEAETVTAMASLSVGVKPAEKRPDEEPMEEEPP L (SEQ ID NO:7)

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FIG. 4A

FIG. 4B-1
FIG. 4B-2
FIG. 4B-3
FIG. 4B-4
FIG. 4B-5

FIG. 4B

1 ggaggttgtg gggccgccgc cgcggagcac cgtccccgcc gccgccgag cccgagccc
 61 agcccgcgca cccgccgcgc ccgccgcgc cgcgcccca acagcctccc agcctgggcc
 121 cccggcgcg ccgtggccgc gtcccgctg tcccgcccg agcccgagcc cgcgcgccg
 181 cgggtggcg cgcaggctga ggagatgcg cgcggagcg cgcggcagg ctagagccc
 241 ccgccgcgc ccgccggt aagcgagcc cggccccgc gccgcgggc cattgtccc
 301 cgcgccccc gcgccgcgc cagcctgcg gccttggag ccgcggcagg tggacgcgc
 361 cgggtccac ccgccgcgc ccgccgcgc ggagggcgcc gccagcgtg gccgcgcgc
 421 gtgggaccc cggteccca gggccgccgc gcccctctg gaccttcca cccgcgccg
 491 gaggcggct cgcgccgcgc ggcggggcg cgggggtgg cagggtcat cagggcgcc
 541 tctccggcg cggggccgc cgtggctcat gagacctgc cggcgaggct cggcgctga
 601 tctgttcaac ttgtgggta cctggctcat tacttgtatg tgttggcgcc cgaatcactt
 661 acgtctgtga ccagccctc tatcgtttcc gtggaattt tgagccattt cgaatcactt
 721 tcgttgagc caatgagctc caaagccat ccagatggac ttctggccg agaccagcca
 781 acattgctag tgaatccgc ccgcgtgaac cacatgcca gacgggtga gtagggcacg
 841 gtggagctgc tgcaagtgg ccccccggca gegcccatg accgcgcct ggaccaccag
 901 gcgctgcctc ttctcactgc ctgtggcaga gccggccctg cgggagcag agctgcagca
 961 ttctcactgc ctgtggcaga gccggccctg cgggagcag agctgcagca ggagctcctg

FIG. 4B-1

FIG. 4B-2

1021 gcgtcaagc agaagcagca gatccagagg cagatcctca tcgccgagtt ccagaggcag
1081 cacgagcagc tctcccggca gcacgaggcg cagctccacg agcacatcaa gcaataacag
1141 gagatgctgg ccatgaagca ccagcaggag ctgctggaac accagcggaa gctggagagg
1201 caccgccagg agcaggagct ggagaagcag caccgggagc agaagctgca gcagctcaag
1261 aacaaggaga agggcaaaaga gagtgcctg gccagcacag aagtgaagat gaagtacaa
1321 gaatttgtcc gctactggta cgggaaaaacg gccacaggga atctgaacca ctgcaactcc
1381 agagaccctc gctactggta cgggaaaaacg gccacaggga atctgaacca ctgcaactcc
1441 cccagagcg gagtgtcgac ctctataac caccgggtcc tgggaatgta cgacgccaaa
1501 gatgacttcc ctcttaggaa aacagcttct gaaccgaatc tgaatatcag gtccaggcta
1561 aagcagaaag tggccgaaag acggagcagc cccctgttac gcaggaaaga cgggccagt9
1621 gtcactgctc taaaaaagcg tccgttggat gtcacagact ccgctgcag cagcgcccca
1681 ggctccggac ccagctcacc caacaacagc tccgggagcg tcgctggag gaacgggtatc
1741 gcgcccgcgg tcccagcat cccggcggag acgagtttgg cgcacagact tgtggcacga
1801 gaaggctcgg ccgctccact tcccctctac acatcgccat ccttgcccaa catcacgctg
1861 ggctgcctg ccacggccc ctctgcccgc acggcgggccc agcaggacac cgagagactc
1921 acccttcccg ccctccagca gaggctctcc ctttcccgc gacccacct cactccctac
1981 ctgagcacct cgcccttggc gcgggacgga ggggcagcgc acagccctct tctgcagcac
2041 atggtcttac tggagcagcc accggcaca ggttggtgca gaccgggtgt cccctccat
2101 cccctccacg gccactggg gcggacccag tcggccccgc tggccagaa cggccaggct
2161 cggcagcacc tggatcatcca gcagcagcat cagcagtttc tggagaaca caagcagcag
2221 ctgcagcacc tgcagcagc gatgaacaag atcatcccca agccaagcga gccagcccgg
2281 ttcagcagc gccacccgga ggagacggag gaggagctcc gtgagcacca ggctctgctg
2341 cagccggaga gccacccgga gctgcccggg cagaaggagg cgcacgcaca ggcggcgtg
2401 gacgagccct acctggaccg ttagagcgat gaggaaagag cagagccccc acgggaggtg
2461 caggtgaagc agcggcccat agcggcagc cagttagcag gactgctct tccagacagc
2521 gagccgggccc agcggatcca ccagctgagg aactaccagg cgtccatgga ggcggccggc
2581 ctggagcagc agcggatcca ccacaggcct cgtcccggg cgcagtcctc accgctct
2641 atcccctgtt ccttcggcgg ccacaggcct cgtcccggg cgcagtcctc accgctct
2701 gccaccttcc ccgtgtccgt gcaggagccc tgcacctgcg ggcagtagcag cagccacccc
2761 gtgtatgaca cgctgatgct gaagcaccag tgcacctgcg ggcagtagcag cagccacccc
2821 gagcacgccg ggaggatcca gagcatctgg tcccgcctgc agaagacggg cctccggggc

FIG. 4B-2

4741 gtggattttt gtggctgggt tttctgaagt ctgaggaaca atgccttaag aaaaacaaa
4801 cagcaggaat cggtgggaca gtttcctgtg gccagccgag cctggcagtg ctggcacccg
4861 gagctggcct gacgcctcaa gacggggcac gtttaagaaa atggaggtg aatggaggtg
4921 gcccgccggt cctgttttg ccttattgct gttttgaagt ccaacaaatt ttaaacgaat
4981 agtggcaaat cccgttgag acatacgatt gagcatctcc atctggctgt gaagcatgtg
5041 ctcacacgtc ttgcagtggt acgatacgaa tgctttttat taaaagcaag tagcatgaag
5101 ttgcagtggt attttaggtg taaataaata tataatgtat tccaatgtat tcaagctaa
5161 attttaggtg gaaacttact tgattcttat gaaatcttga taaaatatat ataatgcatt
5221 gaaacttact tgattcttat gaaatcttga taaaatatat ataatgcatt taaagaaaa
5281 gtatatatat atatatataa ctcaaggctg tacttttcat taaatcttga taaagaaaa
5341 tgaatttgct tcaagctcca gattggctag tacttttcat taaatcttga taaagaaaa
5401 tcaagctcca gattggctag tacttttcat taaatcttga taaatcttga taaagaaaa
5461 tacaagtttg tacttttcat taaatcttga taaatcttga taaatcttga taaagaaaa
5521 tcatgcacat atgtacctaa tttttcaca atgtacctaa tttttcaca atgtacctaa
5561 ttgtatgaat tttttcaca atgtacctaa tttttcaca atgtacctaa tttttcaca
5641 ttcctcacca ttttagcaat ttttagcaat ttttagcaat ttttagcaat ttttagcaat
5701 attcttgctt gtacattttt gtacattttt gtacattttt gtacattttt gtacattttt
5761 tttgtacgat gagttttctg gagttttctg gagttttctg gagttttctg gagttttctg
5821 agtgagagga gggaccgtag gggaccgtag gggaccgtag gggaccgtag gggaccgtag
5881 ctgtcctagg agctgtataa agagccctcc agagccctcc agagccctcc agagccctcc
5941 attacgagg gtggtgtgtt tttccctcc agagccctcc agagccctcc agagccctcc
6001 gcccgccac cctgggaggc cctgggaggc cctgggaggc cctgggaggc cctgggaggc
6061 gtttaaacct ctctgaccac ctctgaccac ctctgaccac ctctgaccac ctctgaccac
6121 ttttagcat gtcagcaatg gtcagcaatg gtcagcaatg gtcagcaatg gtcagcaatg
6181 cactgcagc cacgtggcca cacgtggcca cacgtggcca cacgtggcca cacgtggcca
6241 acccttggtg cctggtgaac cctggtgaac cctggtgaac cctggtgaac cctggtgaac
6301 ttactctttt ttctctcaa cagtaactga cagtaactga cagtaactga cagtaactga
6361 agcacatgaa gccaccagtt gccaccagtt gccaccagtt gccaccagtt gccaccagtt
6421 agttcagaca caccgtgctc caccgtgctc caccgtgctc caccgtgctc caccgtgctc
6481 tacagggtag cttctgaaat cttctgaaat cttctgaaat cttctgaaat cttctgaaat
6541 tcacttggtc actgggctgc actgggctgc actgggctgc actgggctgc actgggctgc

FIG. 4B-4

ID NO: 8)

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LRQGGTLTGKFMSTSSIPGCLLGVALEGDGSPHGHASLLQHVL
LEQARQQSTLIAVPLHGQSPLVTGERVATSMRTVGKLPRHRPLSRTQSSPLPQSPQAL
QQLVMQQHQHFLEKQKQQQLQLGKILTKTGELPRQPTTHPEETEEELTEQQEVLLGE
GALTMPREGSTESESTQEDLEEEDEEEDEEDCIVKDEEGESGAEEGPDLEEPGA
GYKKLFSDAQPLQPLQVYQAPLSLATVPHQALGRTQSSPAAPGGMKSPDPQPVKHLFT
TGVVYDTFMLKHQCMCGNTHVHPEHAGRIQSIWSRLQETGLLSKCEIRIRGRKATLDEI
QTVHSEYIHTLLYGTSPLNQRKLDKSKLLGPIQKMYAVLPCGGIGVDSDTVWNEMHSS
SAVRMAVGCLLELAFKVAAGELKNGFAIIRPPGHAAEESTAMGFCFFNSVAITAKLLQ
QKLVNGKVLIVDWDIHHGNGTQQAFYNDPSVLYISLHRYDNGNFFPGSGAPEEVGGGP
GVGYNVNAWTGGVDPPIGDVEYLTAFRTVVMPIAHEFSPDVVTVLSAGFDAVEGHLSP
LGGYSVTARCFGHLTRQLMTLAGRVVLALEGGHDLTAICDASEACVSALLSVELQPL
DELVLQKPNINAVATLEKVIETQSKHWSCVQFAAGLGRSLREAQAGETEEAETVSA
MALLSVGAEQAAAAAREHSPRPAEEFMEQEPAL (SEQ ID NO:9)

FIG. 5A

FIG. 5B-1
FIG. 5B-2

FIG. 5B

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1 ccctgcggca gggtaggcacg ctgaccggca agttcatgag cacatcctct attcctggct
 61 gcctgctggg cgtggcactg gagggcgacg ggagcccca cgggcatgcc tccctgctgc
 121 agcatgtgct gttgctggag caggcccgcc agcagagcac cctcattgct gtgccactcc
 181 acgggcagtc ccactagtg acgggtgaac gtgtggccac cagcatgcgg acggtaggca
 241 agtccccg ccatcgggcc ctgagccgca ctcagtccct accgctgccg cagagtcccc
 301 agggcctgca gcagctggtc atgcaacaac agcaccagca gtccctggag aagcagaagc
 361 agcagcagct acagctgggc aagatccctca ccaagacagg ggagctgccc aggcagccca
 421 ccaccacccc tgaggagaca gaggaggagc tgacggagca gcaggaggct ttgctggggg
 481 agggagccct gaccatgccc gaggagga gaggtggg ccacagagag tgagagcaca caggaagacc
 541 tggaggagga ggacgagga gaggtggg aggaggagga ggattgcac caggttaagg
 601 acgaggaggg cgagagtggc gctgaggagg gggccgactt ggaggagcct ggtgctggat
 661 acaaaaaact gttctcagat gccagccgc tgcagccttt gcaggtgtac caggcgcccc
 721 tcagcctggc cactgtgccc caccaggccc tgggcccgtac ccagtccctc cctgctgccc
 781 ctgggggcat gaagagcccc ccagaccagc ccgtcaagca cctcttcacc acaggtgtgg
 841 tctacgacac gtcatgcta aagcaccagt gcatgtgcgg gaacacacac gtgcaccctg

FIG. 5B-1

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901 agcatgctgg ccggatccag agcatctggt cccggctgca ggagacaggg ctgcttagca
961 agtgcgagcg gatccgaggt cgaaaagcca cgctagatga gatccagaca gtgcactctg
1021 aataccacac cctgctctac gggaccagtc cctcaaccg gcagaagcta gacagcaaga
1081 agttgctcgg ccccatcagc cagaagatgt atgctgtgct gccttgtggt ggcatacgggg
1141 tggacagtga caccgtgtgg aatgagatgc actcctccag tgctgtgcgt atggcagtgg
1201 gctgcctgct ggagctggcc ttcaaggctg ctgcaggaga gctcaagaat ggatttgcca
1261 tcatccggcc ccaggacac caccggagg aatccacagc caccggatc tgcttctca
1321 actctgtagc catcacgca aaactcctac agcagaagt gaacgtgggc aaggtcctca
1381 tcgtggactg ggacattcac catggcaatg gcaccagca ggcgttctat aatgacccct
1441 ctgtgctcta catctctctg catcgctatg acaacgggaa ctctttcca ggctctgggg
1501 ctctgaaga ggttgtgga ggaccaggcg tggggtacaa tgtgaacgtg gcatggacag
1561 gaggtgtgga ccccccatt ggagacgtgg agtaccttac agccttcagg acagtgggtga
1621 tgccattgac ccacgagttc tcacctgatg tggctcctagt ctccgccggg tttgatgctg
1681 ttgaaggaca tctgtctcct ctgggtggct actctgtcac cgccagatgt tttggccact
1741 tgaccaggca gctgatgacc ctggcagggg gccgggtggt gctggccctg gagggaggcc
1801 atgacttgac cgccatctgt gatgcctctg aggccttgtgt ctgggctctg ctcagtgtag
1861 agctgcagcc ctgggatgag gcagtcttgc agcaaaagcc caacatcaac gcagtggcca
1921 cgctagagaa agtcatcgag atccagagca aacactggag ctgtgtgcag aagtgcgccg
1981 ctggtctggg ccggtccctg cgagaggccc aagcaggtga gccgaggag gccgagactg
2041 tgagcgccat ggccttgctg tcggtggggg ccgagcaggc ccaggctgcg gcagcccggg
2101 aacacagccc caggccggca gaggagccca tggagcagga gcctgccctg tgacgccccg
2161 gcccccatcc ctctcggtt caccattgtg attttgttta tttttctat taaaaacaaa
2221 aagtcacaca ttc (SEQ ID NO:10)

```

FIG. 5B-2

1 mtstgqdstt trqrrsrqnp qspqdsst skrnikkgav prsipnlaev kkkgnkkklg
 61 gameedlivg lqgmdlnlea ealagtglvl deqlnefhcl wddsfpegpe rlhaikeqli
 121 qeglldrcls fgarfaekee lmlvhsleyi dlmnettqymn egelrvladt ydsvglhpns
 181 yscacclasgs vlrlvdavlg aeirngmai rppghhaqhs lmdgycmfhn vavaaryaqq
 241 khrrirrvliv dwdvhhgqgt qftfdqdpv lyfsihryeq grfwphlkas nwsttgfgqg
 301 ggytinvpwn qvgmrdadyi aafhlvllpv alefqpqlvl vaagfdalqg dpkgemaatp
 361 agfaqlthll mglaggklil sleggnira laegvsaslh tllgdpcpml espgapcrsa
 421 qasvscalea lepfwevlvr stetverdnm eednveesee egpweppvlp iltwplqsr
 481 tglvydqnmn nhcnldwdshh pevprilri morleelgia grcltitprp ateaelltch
 541 sa yvghlra tekmtrelh ressnfdsiy icpstfacaq latgaacrly eavisgevin
 601 gaavvrppgh haeqdaacgf cffnsavava rhaqtisgha lrilivdwdv hhngtqhmf
 661 eddpsvlyvs lhrydhgtff pmgdegassq igraagtgt vnvawngprm gdadylaawh
 721 rlvlpiafef npelvlvsag fdaargdplg gcqvspegya hlthllmgl sgrilileg
 781 gynltsises maastrsilg dppplltlpr pplsgalasi tetiqvhrry wrslrvmkve
 841 dregpssskl vtckapqpak prlaermtrr ekkvleagmg kvtsasfgee stpgqtnset
 901 avvalcqddp seaatggatl aqtiseaaig gamlgqttse eavggatpddq ttseetvsga
 961 ildqtseda vggatigqtt seeavggatl aqtiseaame gatldqttse eapggtelic
 1021 tplasstdhq tpptspvqgt tpqispstli gslrtlelgs esqgasesqa pgeenllgea
 1081 agggqmadsm lmqgsrgltd qaiifyavtpl pwcphlvavc pipaagldvt qpcgdcgtic
 1141 enwvclscyq vycgryingh mlqhhgnsgh plvlsyidl s awcyycayv hhqalldvkn
 1201 iahqknkfged mphph (SEQ ID:11)

FIG. 6A

APPROVED	FIG.
DRAFTSMAN	SUBCLASS

FIG. 6B-1
FIG. 6B-2
FIG. 6B-3

FIG. 6B

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1 gggcagtcct ctgaggagcg gggctggttg aaacgctagg ggcgggatct ggcggagtgg
 61 aagaaccgcg gcaggggcca agcctcctca actatgacct caaccggcca ggattccacc
 121 acaaccaggc agcgaagaag taggcagaac cccagtcgc cccctcagga ctccagtgtc
 181 acttcgaagc gaaatatataa aaaggagccc gttccccgct ctatcccaa tctagcggag
 241 gtaagaaga aaggcaaat gaagaagctc ggccaagcaa tggaagaaga cctaattcgtg
 301 ggactgcaag ggatggatct gaacctcgag gctgaagcac tggctgggtg
 361 ttggatgagc agttaaatga attccattgc ctctgggatg acagcttccc ggaaggccct
 421 gagcggctcc atgccatcaa ggagcaactg atccaggagg gcctcctaga tcgctgcgtg
 481 tcctttcagg cccggtttgc tgaaaaggaa gagctgatgt tggttcacag cctagaatat

FIG. 6B-1

541 attgacctga tggaaacaac ccagtacatg aatgagggag aactccgtgt cctagcagac
601 acccagact cagtttatct gcatccgaac tcatactcct gtgcctgcct ggcctcaggc
661 tctgtcctca ggctggtgga tgcggtcctg ggggctgaga tccggaacgg catggccatc
721 attagggctc ctggacatca cggcagcac agtcttatgg atggctatg catgttcaac
781 cacgtggctg tggcagcccg ctatgctcaa cagaacacac gcacccggag ggtccttatc
841 gtagattggg atgtgcacca cggtaagga acacagttca ccttcgacca ggaccccagt
901 gtcctctatt tctccatcca ccgctacgag cagggtaggt tctggcccca cctgaaggcc
961 tctaaactgg taccacagg ttctggccaa ggccaaggat ataccatcaa tgtgccttgg
1021 aaccagggtg gtagcgggga tgctgactac attgctgctt tcctgcacgt cctgctgcca
1081 gtcgccctcg agctccagcc tcagctggtc ctgggtggccg ctggatttga tgcctgcaa
1141 ggggacccca agggcgagat ggccgccact ccggcagggt tcgcccagct aaccacctg
1201 ctcatgggtc tggcaggagg caagctgac ctgtctctgg aggtggcta caacctccgc
1261 gccctggctg aaggcgtcag tgcttcgctc cacacccttc tgggagacc ttgccccatg
1321 ccggagtcac ctggtgccc cttctctgtg gccaggcctt cagtttcctg tgccttgaa
1381 gcccttgagc cttctggga ggttcttgtg agatcaactg agaccgtgga gagggacaac
1441 atggaggagg acaatgtaga ggagagcgag gaggaaggac cctgggagcc ccctgtgctc
1501 ccaatcctga calggccagt gctacagtct cgcacagggc tggctctatga ccaaatatg
1561 atgaatcact gcaacttgtg ggacagccac caccctgagg taccacagc catcttgagg
1621 atcatgtgcc gtctggagg gctgggcctt gccgggcgtt gcctcacctt tcatctccgg
1681 cctggcacag aggtgagct gctcacctgt caccagtctg agtacgtggg tgcctccgc
1741 gccacagaga aaatgaaaac ccgggagctg caccgtgaga gttccaaact tgcctccatc
1801 tatactgcc ccagtacctt cgcctgtgca cagcttgcca ctggcgctgc ctgcccctg
1861 gtggaggctg tgctctcagg agaggtcctg aatggtgctg ctgtggtgag tccccagga
1921 caccacgcag agcaggatgc agcttgcggt ttttgctttt tcaactctgt ggctgtggct
1981 gctcgccatg cccagactat cagtgggcat gccctacgga tcctgattgt ggattgggat
2041 gtccaccacg gtaatggaac tcagcacatg ttgaggatg acccagtggt gctatatgtg
2101 tccctgcacc gctatgatca tggcaccttc tccccatgg gggatgaggg tgcacgagc
2161 cagatcggcc gggccgcggg cacaggcttc accgtcaacg tggcatggaa cgggccccgc
2221 atgggtgatg ctgactacct agctgcctgg catcgccctg tgcttcccat tgcctacgag
2281 ttaacccag aactggtgct ggtctcagct ggctttgatg ctgcacgggg ggatccgctg

FIG. 6B-3

2341 gggggctgcc aggtgtcacc tgagggttat gccaccta cccacctgct gatgggcctt
2401 gccagtggcc gcattatcct taccctagag ggtggctata acctgacatc catctcagag
2461 tccatggctg cctgcactcg ctccctcctt ggagaccac caccctgctt gaccctgcca
2521 cggcccccac tatcaggggc cctggcctca atcactgaga ccatccaagt ccatcgaga
2581 tactggcgca gcttacgggt catgaaggca gaagacagag aaggaccctc cagtcttaag
2641 ttggtcacca agaaggcacc ccaaccagcc aaacctaggt tagctgagcg gatgaccaca
2701 cgagaaaaga aggttctgga agcaggcatg gggaaagtca cctcggcatc atttgggaa
2761 gagtccactc cagccacagg ggagccact taactcagag acagctgtgg tggccctcac tcaggaccag
2821 ccctcagagg cagccacagg ggagccact ggagccaga ctggccctga ggcagccatt
2881 gggggagcca tgctgggcca gaccacctca gaggaggctg tcgggggagc cactccggac
2941 cagaccacct cagaggagac tgtgggagga gccattctgg accagaccac ctcagaggat
3001 gctgttgggg gagccacgct ggccagact acctcagagg aggtgtagg aggagctaca
3061 ctggcccaga ccatctcgga ggcagccatg gagggagcca cactggacca gactacgtca
3121 gaggaggctc caacctcacc cgagctgac cgagctgac caaactctc tagcctcgag cacagaccac
3181 cagaccccc caacctcacc tgtgcagga tgtgcagga actacaccc agatatctcc cagtacactg
3241 attggagtc tcaggacctt tcaggacctt aggagtagg ggcagctagg agcgaacctc agaatctcag
3301 gccccaggag agggaaacct agggagtag accaggagag gcagctggag gtcaggacat ggctgattcg
3361 atgctgacgc agggatctag gggcctcact gatcaggcca tattttatgc tgtgacacca
3421 ctgccctggt gtcccatc gtgggactg tggaacaatc tgcccatac ctgcagcagg cctagacgtg
3481 acccaacctt gtgggactg tggaacaatc caagagaact ggggtgtgtct ctcttgctat
3541 caggtctacc gtggtcgtta catcaatggc cacatgctcc aacacctgg aaattctgga
3601 caccgcctgg tcctcagcca catcgacctg tcagcctggc gttactactg tcaggcctat
3661 gtccaccacc aggtctcctt acccaccta agcccagaa tacggtccct cttcacctc tgaggccac
3721 gatatgccc acccaccta acccaccta agcccagaa tacggtccct cttcacctc tgaggccac
3781 gatagaccag ttccagcctg ttccagcctg taacctggat gagggtagc ctccactgc
3841 atcccatcct gaatatcctt tgcaactccc caagagtgtt tatttaagtg ttaatacttt
3901 taagagaact gcgacgatta attgtggatc tccccctgcc catcgccgc ttgaggggca
3961 cactactcc agcccagaag gaaagggggg cagctcagtg gcccaagag ggagccgata
4021 tcatgaggat aacattggcg ggaggggagt taactggcag gcatggcaag gttgcatacg
4081 taataaagta caagctgtt (SEQ ID NO: 12)

FIG. 6B-3

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1 mdlrvqgrpp vepppeptll alqrpqrlhh hlflaglqqq rsvepmrlsm dtpmpelqvq
61 pqeqlrql1 hkdkskrsav assvkkqkla evilkkqaa lertvhpns gipyrtlepi
121 etegatrsml ssflppvpsi psdppehfp1 rktvsepnlk lrykpkksle rrknpllrke
181 sappslrrrp aetlgdssps ssstpascgs spndsehgn pilgdsdrrt hptlgprgpi
241 lgsphtp1f1 phglepeagg clpsrlqpil lldpsgshap lltvpglgpl pfhfaqsint
301 terlsqglh wplsrttrsep lppsatappp pgpmqprleq lkthvqvkr sakpsekprl
361 rqipseaedle tdggpggvv ddglehrelg hgqpeargpa plqqhpqvii weqqrlagr1
421 prgstgdcvi lplaqgghrp lsraqsspa pasisapepa sqarvlssse tpartlpflt
481 gliydsmlk hqscgdnsr hpehagriqs iwsrlqergl rsqceclgr kasieelqsv
541 hs rhvlllyg tnplsrlkld ngklag1iaq rmfemlpcgg vgvdttdtiwn elhssnaarw
601 aagsvtdlaf kvasrelkng favvrppghh adhstamgfc ffnsvaiacr qlqqqskask
661 askilivdwd vhhngtqqt fyqdpvlyi slhrhddgnf fpgsgavdev gagsgegnv
721 nvawaggldp pmgdpeylaa frivvmpiar efspdlvls agfdaaeghp aplggyhvsa
781 kcfgymtqql mnlaggavvl alegghd1ta icdaseacva allgnrvdp1 seegwkqkpq
841 pqchplsgr dpgaq (SEQ ID NO:13)

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FIG. 7A

FIG. 7B-1
FIG. 7B-2

FIG. 7B

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1 ataataccta ccttgcagga ccacgacagg attaagtgag gaaaaacccc catgagagtg
61 ttttgccatt gtcaagttag cctgagggag gctgaggggg gatcaggctg tatcatgccc
121 ccgaggacaa actttccagt ttacctgct cctctctct gtccctaggc tgcccaggc
181 cctgcgcaga cacaccaggc cctcagccgc cctcagccat agcccatgga cctgcgggtg ggcacaggc
241 cccagtgga gccccacca gacccacat tgctggcct gcagcgtccc cagcgcctgc
301 accaccact ctctctagca ggcctgcagc agcagcgtc ggtggagccc atgaggctct
361 ccattggacac gccgacgccc gagttgcagg tgggacccc ggaacaagag ctgcggcagc
421 ttctccacaa ggacaagagc aagcgaagt ctgtagccag cagcgtggtc aagcagaagc
481 tagcggaggt gattctgaaa aaacagcagg cggccctaga aagaacagtc catcccaaca
541 gccccggcat tccctacaga acccggagc ccctggagac ggaaggagc acccgtcca
601 tgctcagcag cctccgcct cctgctccc gcccggccag tgacccccca gacactccc
661 ctctgcgcaa gacagtctct gagcccaacc tgaagctgcg ccataagccc aagaagtccc
721 cggagcggag gaagaatcca ctgctccgaa aggagagtgc gcccaccag cccggcggc
781 gccccgcaga gacctcgga gactcctccc caagtagtag cagcacgccc gcatcagggt
841 gcagtcctcc caatgacagc gagcacggc ccaatcccat cctgggcgac agtgaccgca
901 ggaacctcc gactctggc cccgggggc caatcctggg gagccccac actccctct
961 tcctgcccc tggcttgag cccgaggctg ggggcacctt gccctccgc ctgcagccca
1021 ttctctctct ggacctca ggtctctatg ccccgctgct gactgtgccc gggcttggc
1081 ccttgccctt cactttgcc cagtccttaa tgaccacga gcggtctct gggtcaggcc
1141 tccactggcc actgagccgg actcgtcag agccctgccc cccagtgcc accgctccc
1201 caccgccgg ccccatgcag cccgcctgg agcagctcaa aactcacgtc cagtgatca
1261 agaggtcagc caagccagt gagaagccc ggtgcggca gataccctcg gctgaagacc
1321 tggagacaga tggcggggga ccgggcccagg tggtagcga cgccccggag cacagggagc

FIG. 7B-1

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FIG. 7B-2

1381 tgggccatgg gcagcccagg gccagaggcc ccgctcctct ccagcagcac cctcagtggt
1441 tgctctggga acagcagcga ctggctgggc ggctcccccg ggcagcaccc ggggacactg
1501 tgctgcttcc tctggcccag ggtgggcacc ggctctgtc ccgggctcag tttccccag
1561 ccgcacctgc ctactgtca gcccagagc ctgccagcca ccagcagtc gctccagct
1621 cagagacccc tgccaggacc ctgcccttca ccacagggt gatctatgac tcggtcatgc
1681 tgaagcacca gtgctcctgc ggtgacaaca gcaggcaccc ggagcacgcc ggcgcacccc
1741 agagcatctg gtcccggctg caggagcggg ggctcggag ccagtgtgag tgtctccgag
1801 gccggaaggc ctccctggaa gagctgcagt cggctccactc tgagcggcac gtgctcctct
1861 acggcaccaa ccgctcagc cgcctcaaac tggacaacgg gaagctggca gggctcctgg
1921 cacagcggat gtttgagatg ctgccctgtg gtggggttgg ggtggacact gacaccatct
1981 ggaatgagct tcattccLcc aatgcagccc gctgggcgc tggcagtgct actgacctcg
2041 ccttcaaagt ggcttctcgt gagctaaaga atggtttcgc tgtggtgcgg ccccaggac
2101 accatgcaga tcattcaaca gccatgggct tctgcttctt caactcagt gccatcgct
2161 gccggcagct gcaacagcag agcaaggcca gcaaggccag caagatcctc attgtagact
2221 gggacgtgca ccatggcaac ggcacccagc aaaccttcta ccaagacccc agtgtgctct
2281 acatctccct gcatcgccat gacgacggca acttcttccc gggagtggtg gctgtggatg
2341 aggtaggggc tggcagcgtt gagggttca atgtcaatgt ggctgggct ggaggtctgg
2401 acccccccat gggggtatct gagtacctgg ctgctttcag gatagtcgtg acgcccacg
2461 cccgagagtt ctctccagac ctagtccctgg tgcttgccgg atttgatgct gctgagggtc
2521 acccggcccc acLgggtggc taccatgttt ctgccaaatg ttttggtac atgacgcagc
2581 aactgatgaa cctggcagga ggcgcagtgg tgctggcctt ggaggtggc catgacctca
2641 cagccatctg tgacgcctct gaggcctgtg tggctgctct tctgggtaac aggtggatc
2701 cccttcaga agaaggctgg aaacagaaac ccaacctca atgccactcg ctctctggag
2761 gccgtgatcc ggggtgcacag taaatactgg ggctgcatgc agcgcctggc ctctgtcca
2821 gactcctggg tgcctagagt gccaggggct gacaaaag aagtggaggc agtgaccgca
2881 ctggcgctcc tctctgtggg catcctggct gaagataggc cctcggagca gctggtggag
2941 gaggaagaac ctatgaatct ctaaggctctt ggaacctat gcccgccac catgccctg
3001 ggacctgggt ctcttctaac ccctggcaat agcccccat cctgggtctt tagagatcct
3061 gtgggcaagt agttggaacc agagaacagc ctgcctgctt tgacagtatt ccaggggagc
3121 gtgagaaat c (SEQ ID NO:14)

FIG. 7B-2

1 meepeepads gqslvpvyyi speyvsmcde lakipkrasm vhsleayal hkqmrivkpk
61 vasmeematf htdaylqhlq kvsqegdddh pdsieyglgy dcpategifd yaaaiggtati
121 taaqclidgm ckvainwsgg whhakdeas gfcylndavl gilrlrrkfe rilyvdlldlh
181 hgdgvedafs ftskvmvsl hkfspgffpg tgdvsdvglg kgryysvnpv iqdgigdeky
241 yqicesvlke vyqafnkpav vlqlgadtia gdpmcfnmt pvgigcklky ilqwqlatli
301 lggggynlan tarcwtyltg vilgktsse ipdbefftay gpdyvleith scrpdrneph
361 riqqilnyik gnlkhvv (SEQ ID NO:15)

FIG. 8A

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1  gaaattcggc acgagctcgt gccgaattcg gcacgagaac ggttttaagc ggaagatgga
61  ggagccggag gaaccggcgg acagtgggca gtcgctggtc ccggtttata tctatagtcc
121 cgagtatgtc agtatgtgtg actccctggc caagatcccc aacggggcca gtatggtgca
181 ttctttgatt gaagcatatg cactgcataa gcaaatgagg atagttaagc ctaaagtggc
241 ctccatggag gagatggcca ccttccacac tgatgcttat ctgcagcatc tccagaaggt
301 cagccaagag ggcgatgatg atcatccgga ctccatagaa tatgggctag gttatgactg
361 ccagccact gaaggatat ttgactatgc agcagctata ggaggggcta cgatcacagc
421 tgcccaatgc ctgattgacg gaatgtgcaa agtagcaatc aactggtctg gaggtggca
481 tcatgcaaaag aaagatgaag catctggttt tcgttatctc aatgatgctg tcctgggaat
541 attacgattg cgacggaat ttgagcgtat tccctacgtg gattcggatc tgcaccatgg
601 agatggtgta gaagacgcat tcagtttcac ctccaaagtc atgaccgtgt ccctgacaaa
661 attctccca ggatttttcc caggaacagg tgacgtgtcc gacgttgccc tagggaagg
721 acggtactac agtgtaaatg tgcccatcca ggatggcata caagatgaaa aatattacca
781 gatctgcgaa agtgtaactaa aggaagtata ccaagccttt aatcccaag cagtggctct
841 acagctggga gccgacacaa tagctgggga tcccatgtgc tcctttaaca tgaactcagt
901 gggaattggc aagtgtctca agtacatccc tcaatggcag ttggcaacac tcatttcggg
961 aggaggaggc tataaccttg ccaacacggc tcgatgctgg acatactga ccggggtcat
1021 cctagggaaa acactatcct ctgagatccc agatcatgag tttttcacag cataatggtcc
1081 tgattatgtg ctggaatatca cgccaagctg ccggccagac cgcaatgagc ccacccgaat
1141 caacaaatc ctcaactaca tcaaagggaa tctgaagcat gtggtctagt tgacagaaaag
1201 agatcagggt tccagagctg aggagtgggtg cctataatga agacagcgtg tttatgcaag
1261 cagtttgrgg aatttgtgac tgcaggggaaa atttgaaaga aattacttc tgaaaaattc
1321 caaggggcat caagtggcag ctggcttcct ggggtgaaga ggcaggcac ccagagtccct
1381 caactggacc taggggaaga aggagatarc ccacatttaa agttcttat taaaaaaca
1441 cacacacaca aatgaaattt ttaatctttg aaaaattattt ttaagcgaat tggggagggg
1501 agtattttaa tcatctttaa tgaaacagat cagaagctgg atgagagcag tcaccagtct
1561 gtagggcagg aggcagctga caggcagggn tngggcctcn ggaccancca ngtggagccc
1621 tgggagagan ggtactgatc ngcagactgg gagg (SEQ ID NO:16)

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FIG. 8B

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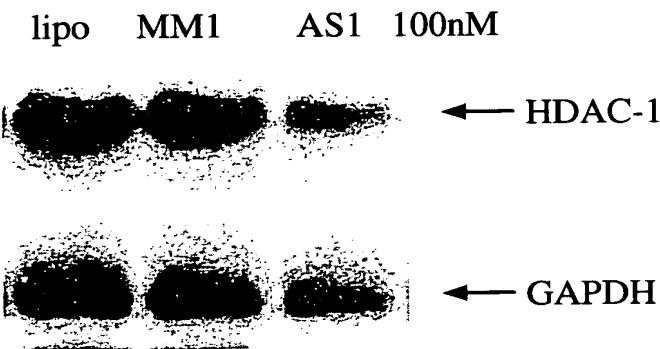


FIG. 9A

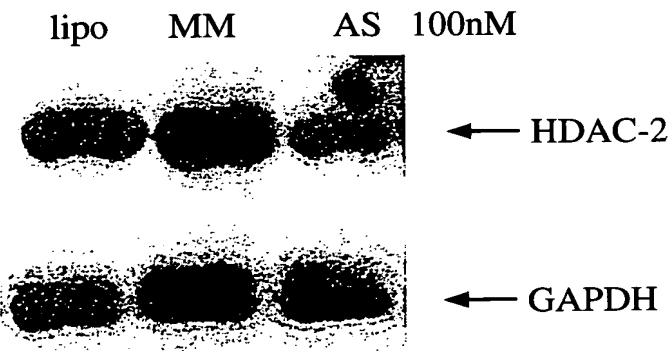


FIG. 9B

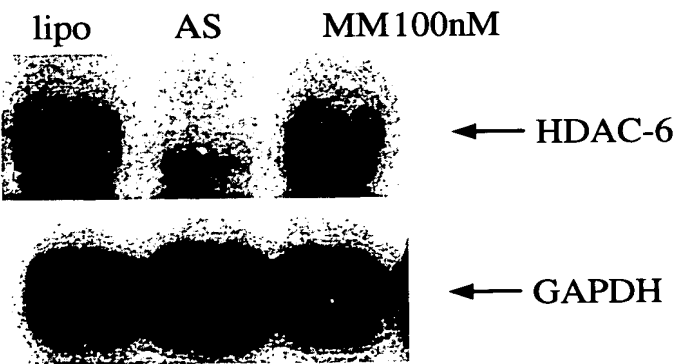


FIG. 9C

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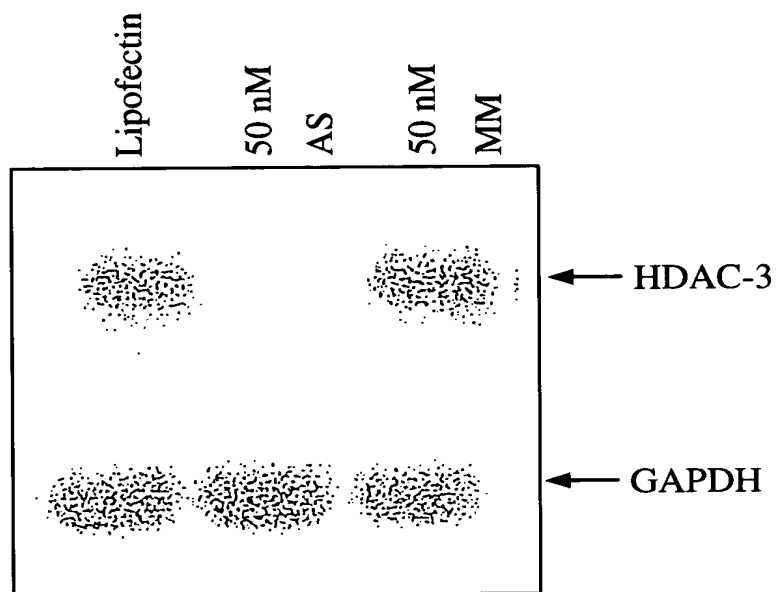


FIG. 9D

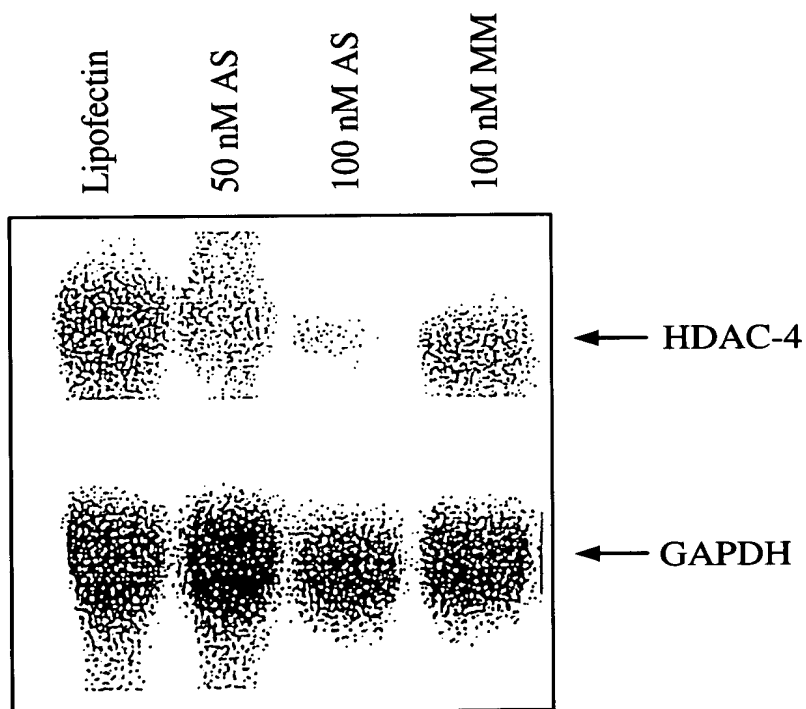


FIG. 9E

FIG. 9D

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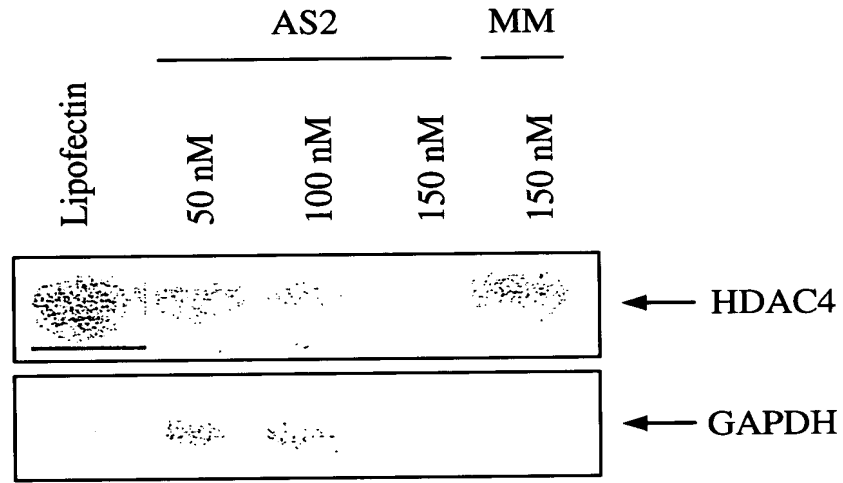


FIG. 9F

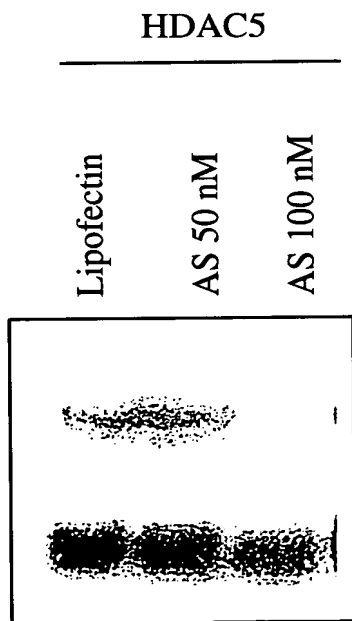


FIG. 9G

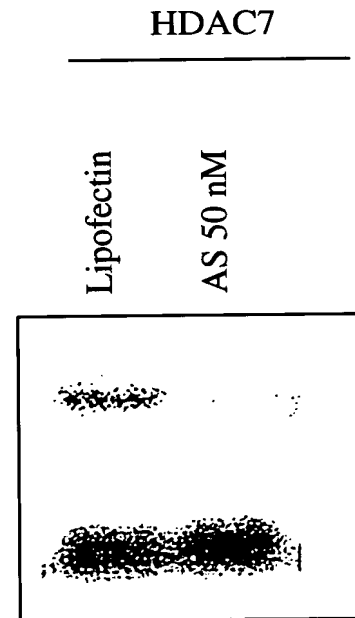


FIG. 9H

FIG. 9A-9H

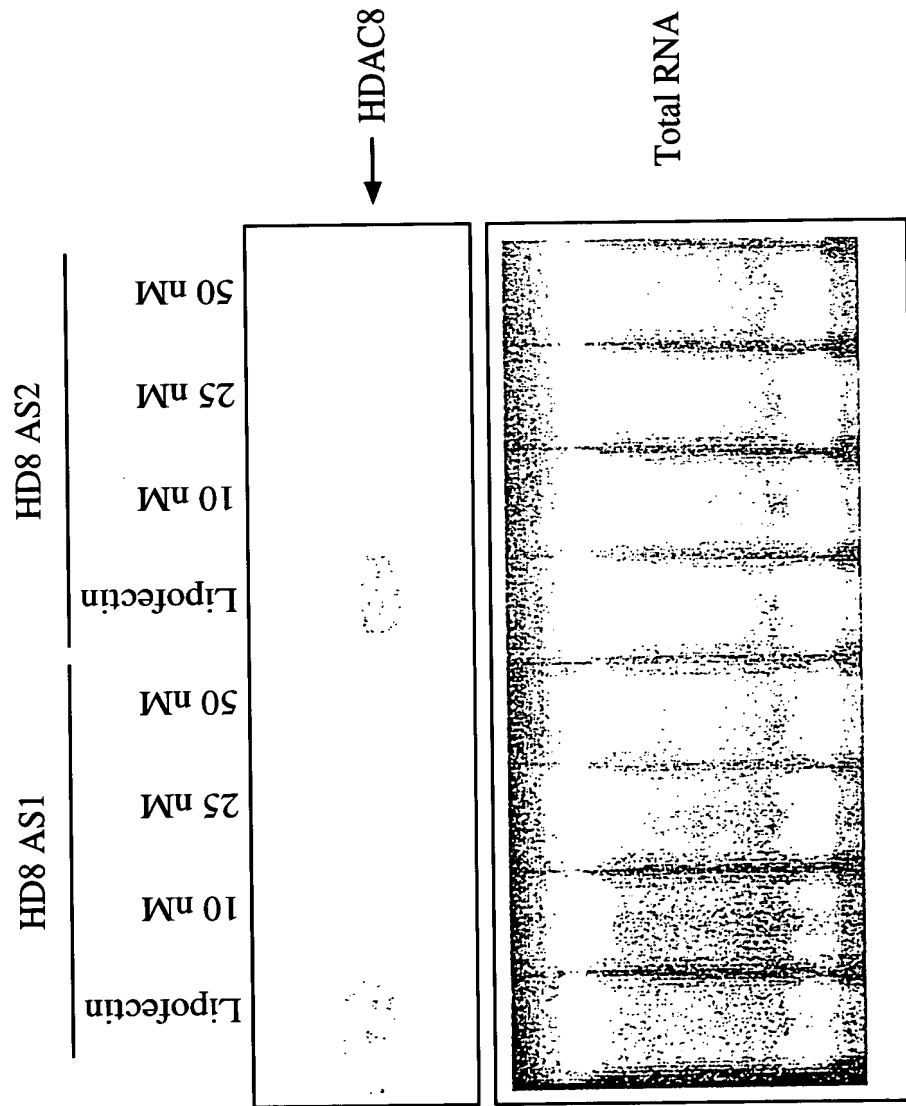
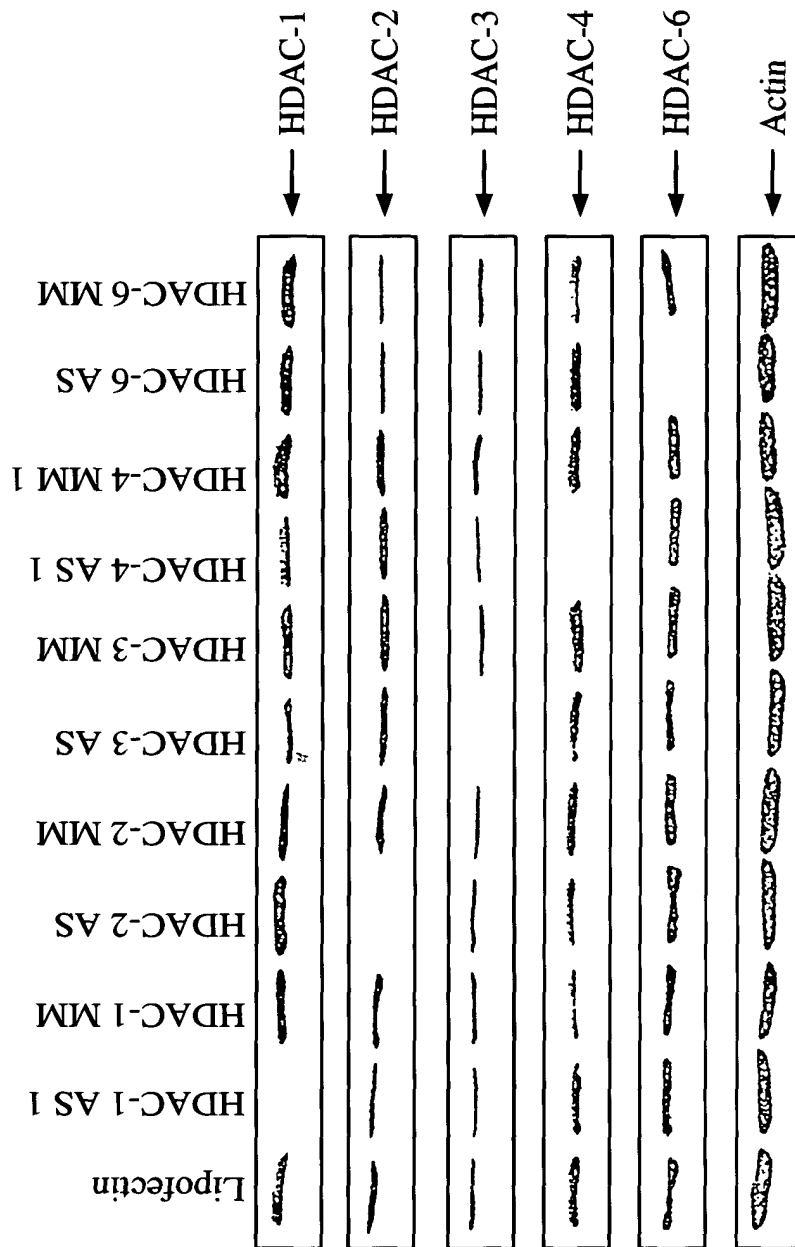


FIG. 9I

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AS = Antisense
MM = Mismatch
NS = Non-specific control
3 day treatment
Oligonucleotide conc - 50nM

FIG. 10A

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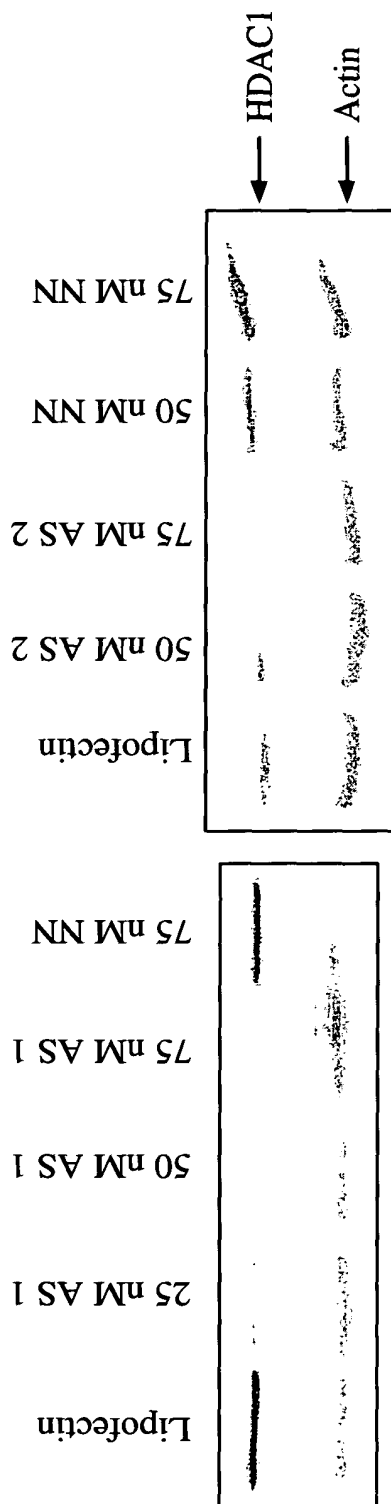


FIG. 10B

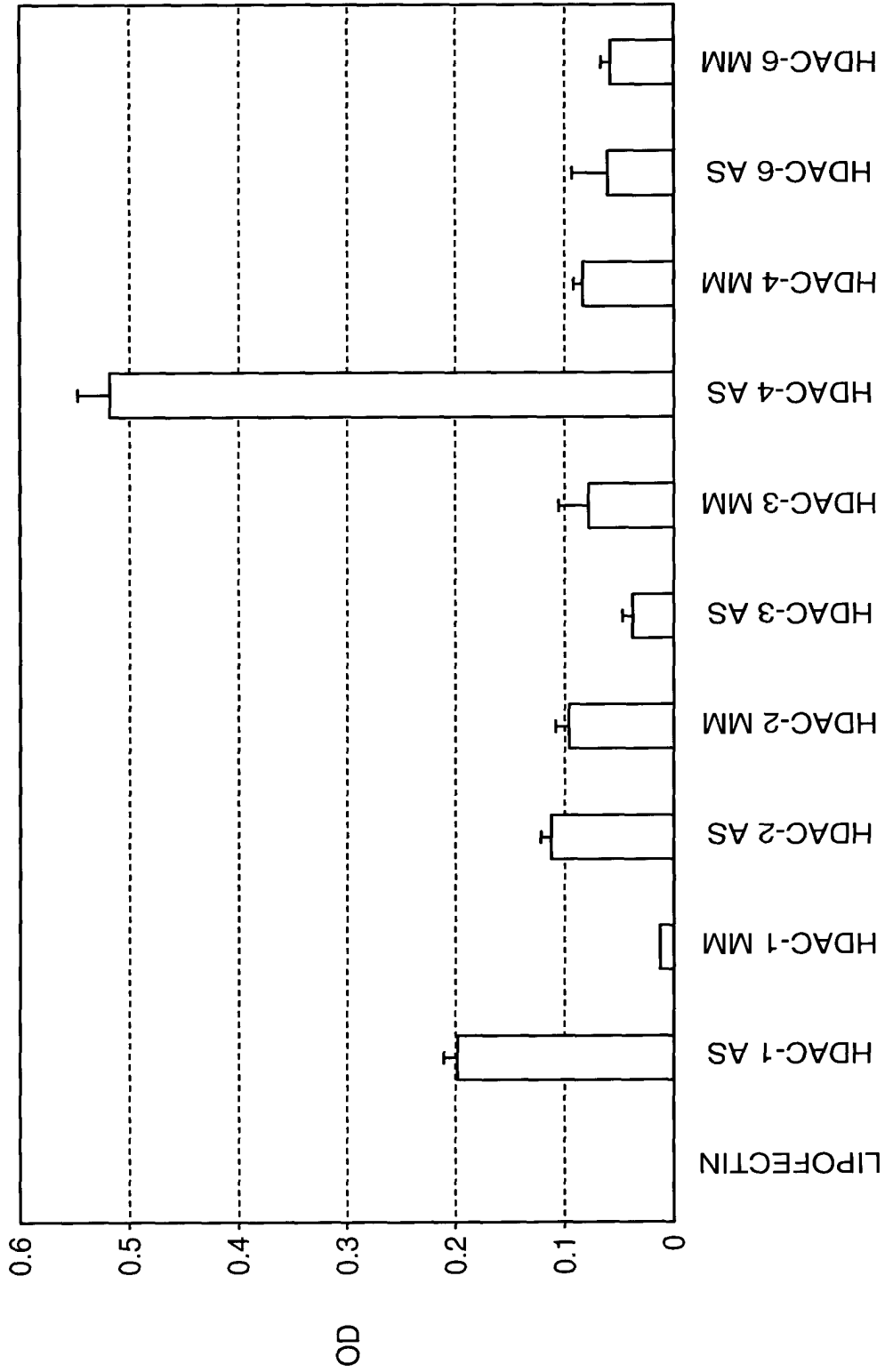


FIG. 11

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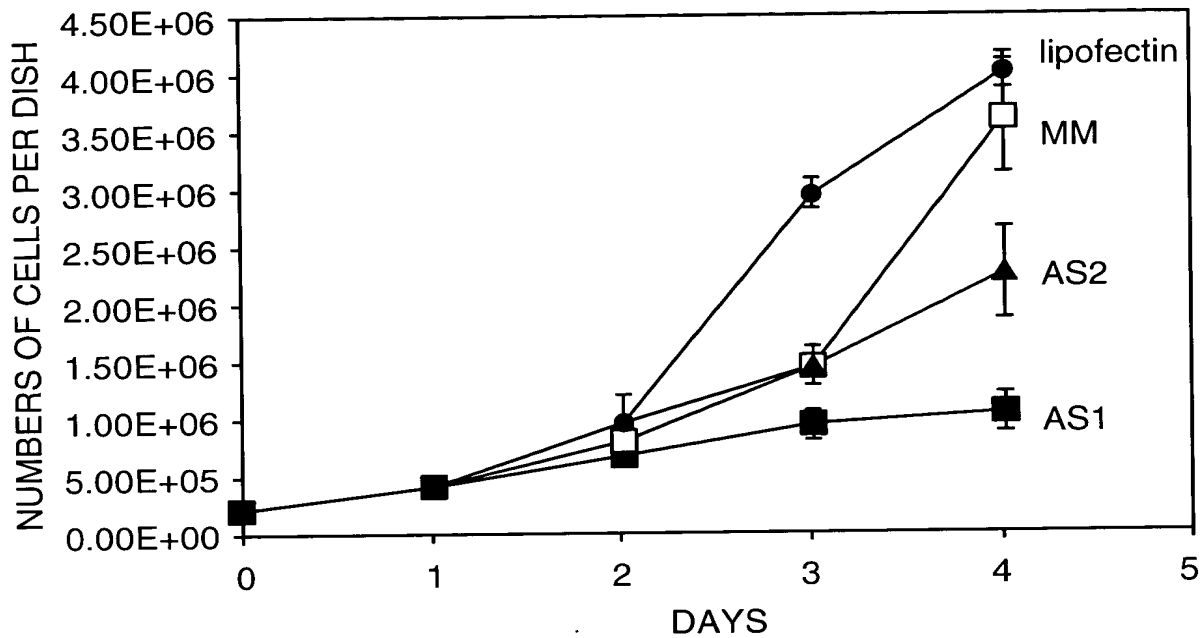


FIG. 12A

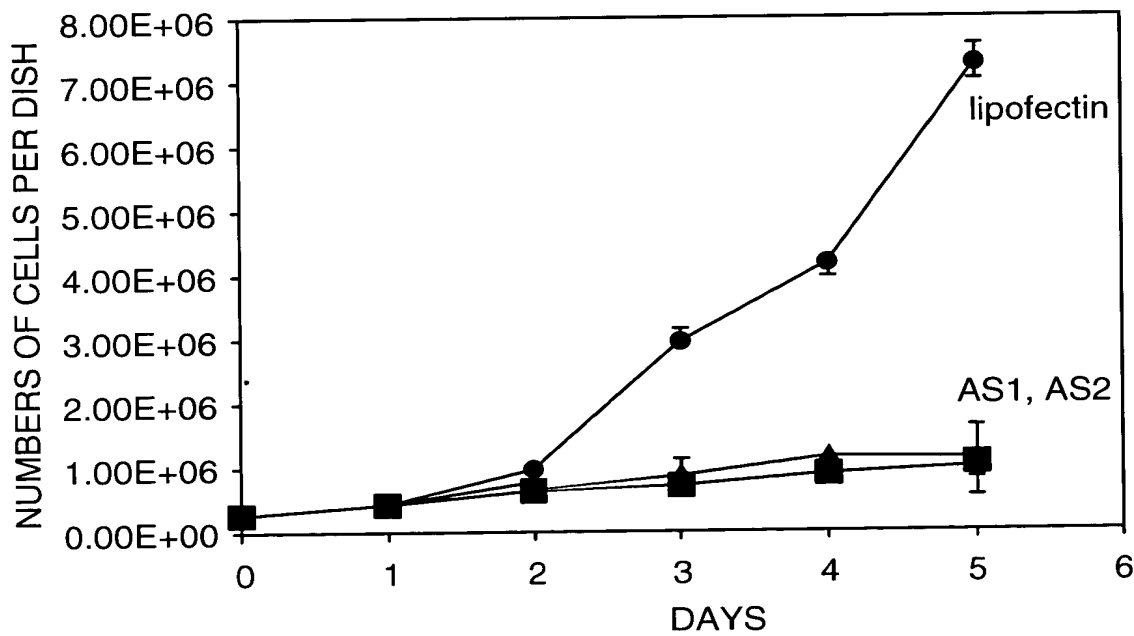


FIG. 12B

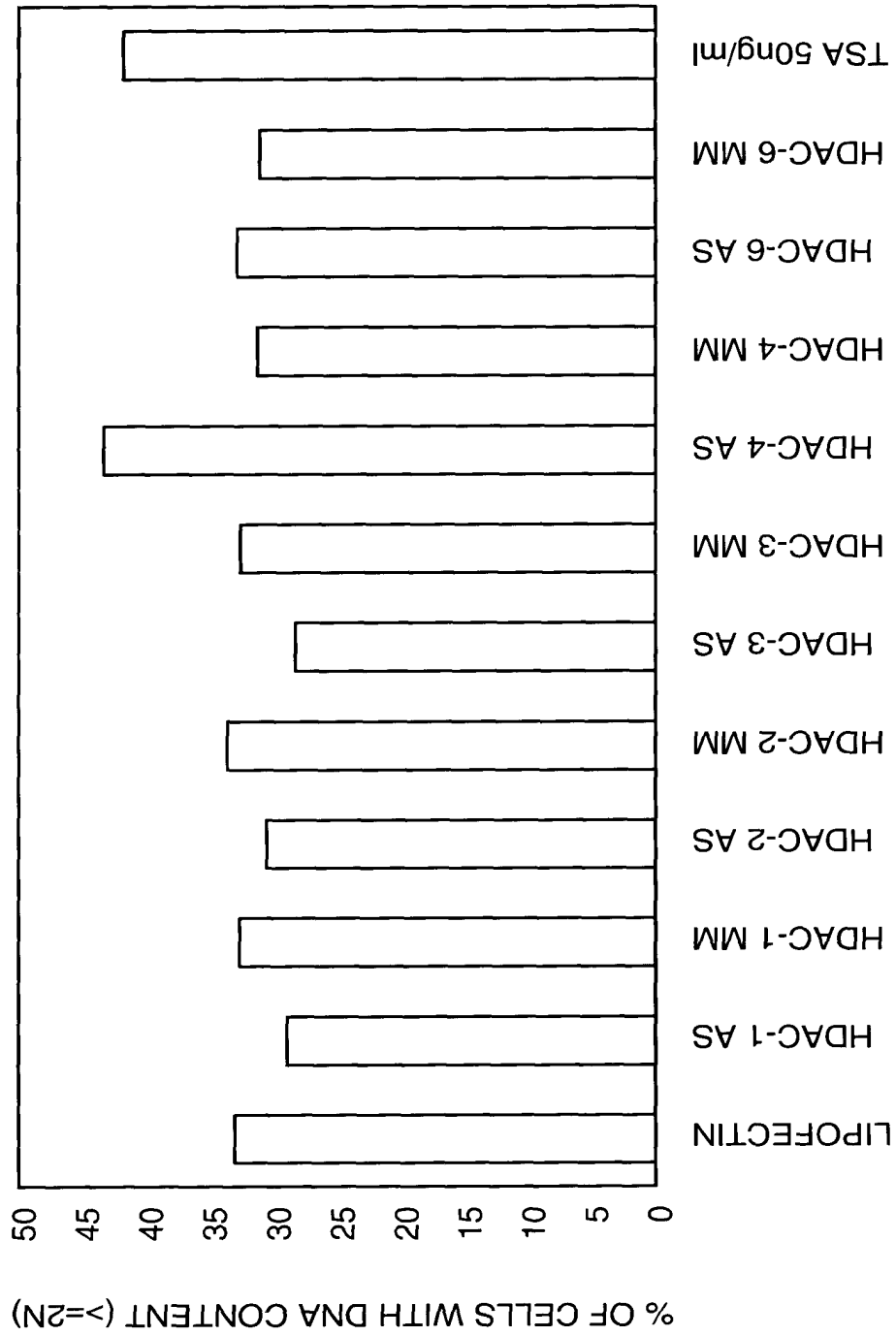


FIG. 13

FIG. 13

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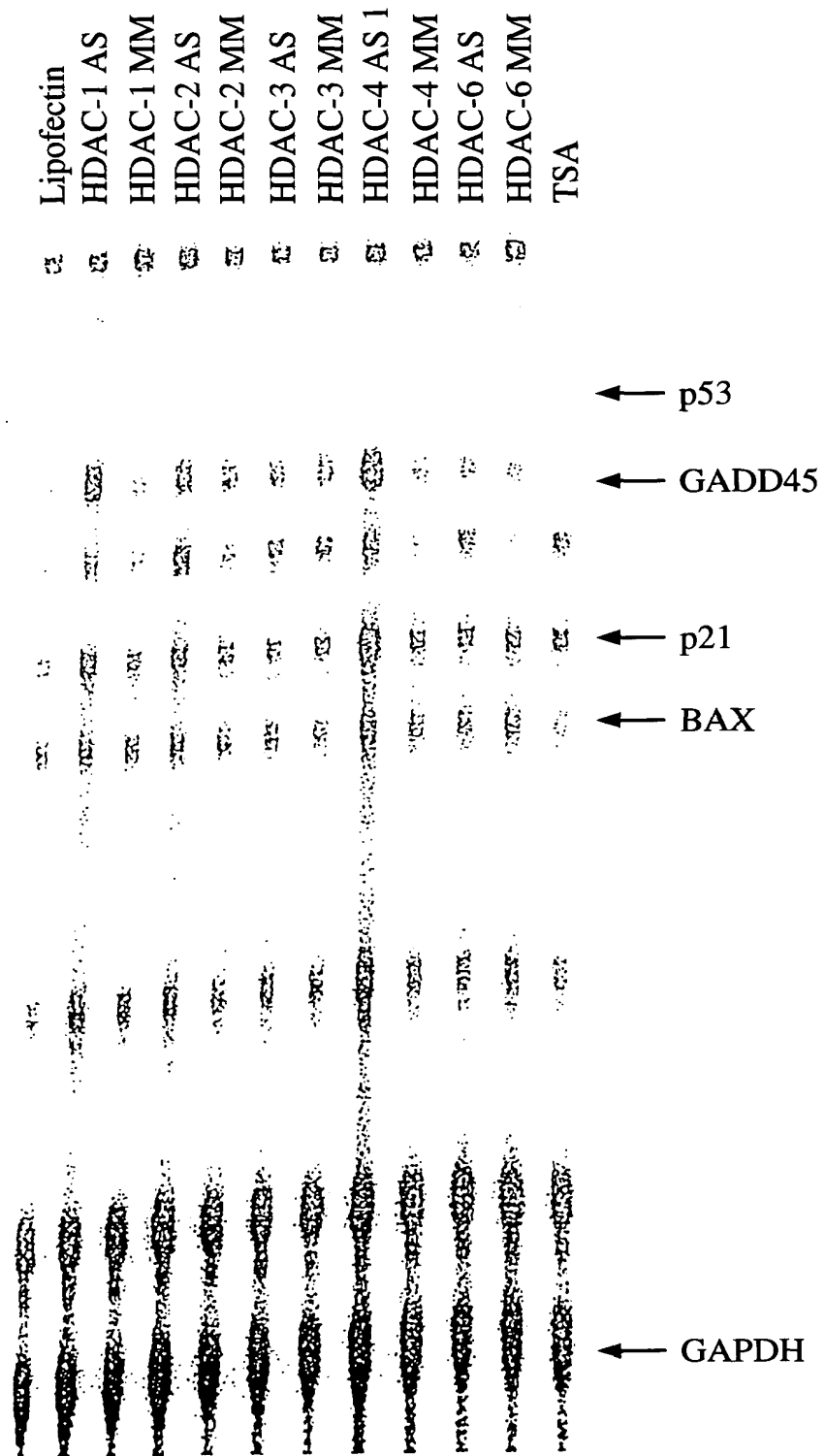


FIG. 14

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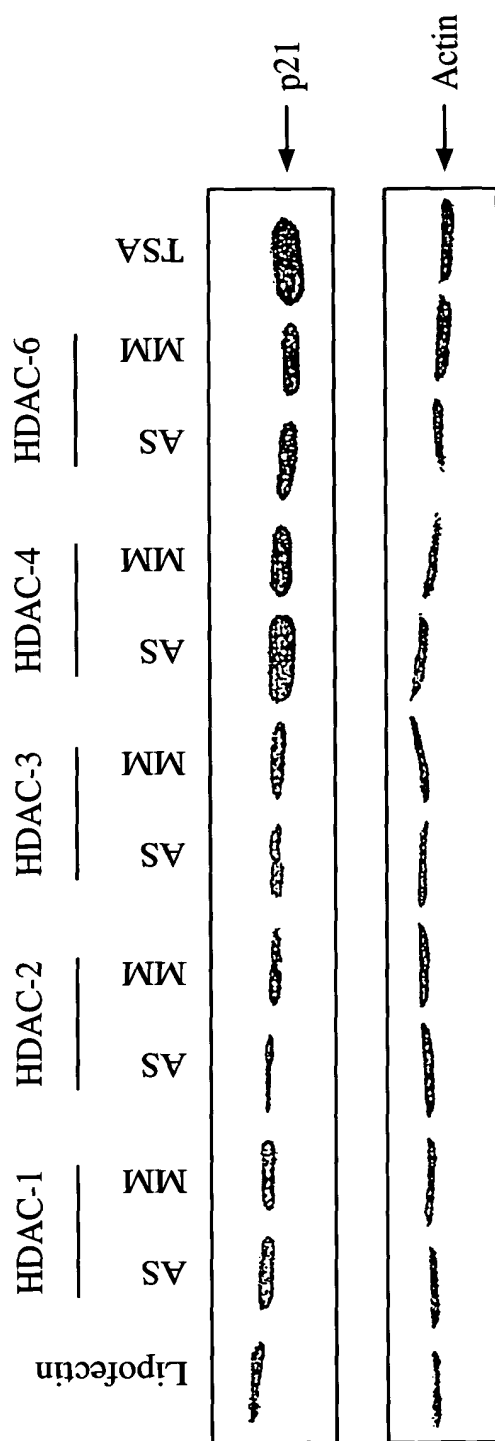


FIG. 15

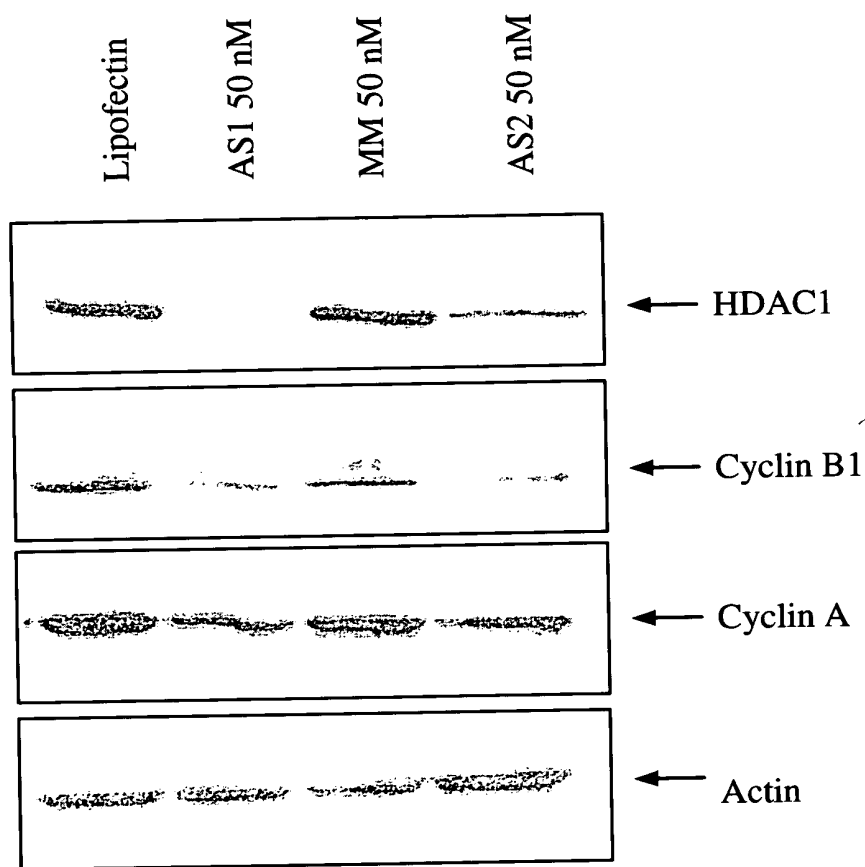


FIG. 16

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